

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	6	difluoro\$5ylsulfonic (difluoro\$5yl adj sulfonic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 15:53
L2	25	(FLUOR\$8 NEAR (ALKANESULFONIC ADJ ACID)) AND (BINDER RESIN RESIST PHOTORESIST)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 17:32
L3	2	\$difluoro\$8yl adj sulfonic adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 15:53
L4	2	\$difluoro\$8yl adj sulfonic adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 15:53
L5	5	\$difluoro\$8ylsulfonic adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 17:27
L6	29	(US-20010044072-\$ or US-20020009663-\$ or US-20020051932-\$ or US-20030013049-\$ or US-20030027061-\$ or US-20030027077-\$ or US-20030044716-\$ or US-20030134227-\$ or US-20030215748-\$).did. or (US-5296332-\$ or US-5322765-\$ or US-5716756-\$ or US-5770345-\$ or US-6048672-\$ or US-6136504-\$ or US-6200728-\$ or US-6203965-\$ or US-6280911-\$ or US-6358665-\$ or US-6582880-\$).did. or (EP-1033624-\$ or EP-1199603-\$ or EP-1308781-\$ or EP-693468-\$ or WO-2077710-\$).did. or (JP-10176173-\$).did. or (DD-295421-\$ or EP-693468-\$ or US-6358665-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 16:22
L7	31	L1 L2 L3 L4 L5	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 15:53
L8	27	L7 not L6	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 15:53
L9	5	((("64749987") or ("6749987") or ("2002102491")).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/09/24 15:53
L10	27	L8 not L9	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 15:53
L11	2	ep-708368-\$.did. "ep-96118111.2-\$.did"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 16:23
L12	2	ep-708368-\$.did. "ep-96118111\$.did"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 16:26
L13	2	ep-708368-\$.did. "ep-96118111-\$.did"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 16:23
L14	0	ethyldifluorosulfonate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 17:21

L15	11	\$difluorosulfonate	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 17:21
L16	6	4 5 1 3	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 17:27
L17	0	("2003/0027061").URPN.	USPAT	OR	ON	2004/09/24 17:28
L18	0	alpha-difluoroalkyl adj sulfonic adj acid	USPAT	OR	ON	2004/09/24 17:32
L19	0	difluoroalkyl adj sulfonic adj acid	USPAT	OR	ON	2004/09/24 17:32
L20	2	("5442023"   "5773191").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/09/24 17:44
L21	6	("6358665").URPN.	USPAT	OR	ON	2004/09/24 18:12
L22	2	("5238781").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/09/24 18:12
L23	0	("jp-1130865-\$.did.jp-08248626-\$.did.jp-08027094-\$.did.jp-10048814-\$.did." ).PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/09/24 18:13
L24	6	jp-1130865-\$.did.jp-08248626-\$.did.jp-08027094-\$.did.jp-10048814-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 18:18
L25	0	jp-1130865-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 18:18
L26	2	jp-11030865-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 18:27
L27	2	("6358665").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/09/24 18:28
S1	2	("20030027061").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/04/08 10:03
S2	0	"20030027061".URPN.	USPAT	OR	ON	2003/08/06 16:35
S3	0	alpha,alpha-difluoroalkyl adj sulfonic adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/06 16:36
S4	2	\$-difluoroalkyl adj sulfonic adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/06 16:37
S5	2	\$difluoro\$8yl adj sulfonic adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 14:04
S6	15153	(\$5ACID NEAR GENERAT\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/07 10:28

S7	21	DIFLUORO\$ NEAR SULFONIC	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/06 16:41
S8	35	FLUOR\$8 NEAR (ALKANESULFONIC ADJ ACID)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/08 12:42
S9	4	(FLUOR\$8 NEAR (ALKANESULFONIC ADJ ACID)) AND (BINDER RESIN RESIST PHOTOESIST)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 14:04
S10	3	"6358665".URPN.	USPAT	OR	ON	2003/08/06 17:21
S11	60	CAMERON-JAMES CAMERON-JAMES-F CAMERON-JAMES-FIELD (zydowsky-thomas.in.) (zydowsky-t.in.) (zydowsky-thomas-m.in.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/07 10:27
S12	38	(CAMERON-JAMES CAMERON-JAMES-F CAMERON-JAMES-FIELD (zydowsky-thomas.in.) (zydowsky-t.in.) (zydowsky-thomas-m.in.)) and (resist photoresist resin binder)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/07 10:28
S13	15196	(\$5ACID NEAR GENERAT\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/07 10:28
S14	26	((CAMERON-JAMES CAMERON-JAMES-F CAMERON-JAMES-FIELD (zydowsky-thomas.in.) (zydowsky-t.in.) (zydowsky-thomas-m.in.)) and (resist photoresist resin binder)) and ((\$5ACID NEAR GENERAT\$4) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/07 10:28
S15	27	(CAMERON-JAMES CAMERON-JAMES-F CAMERON-JAMES-FIELD (zydowsky-thomas.in.) (zydowsky-t.in.) (zydowsky-thomas-m.in.)) and ((\$5ACID NEAR GENERAT\$4) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/08 12:41
S16	7	(photoacid near generator) same (phosphoric adj acid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/07 12:35
S17	4518	method same prepar\$4 same (sulfonic adj acid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/07 12:54
S18	1907	onium adj compounds	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/07 15:17
S19	996	(resist photoresist) and (\$5acid near generator) and (sulfonic adj acid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/07 15:18
S20	877	((resist photoresist) and (\$5acid near generator) and (sulfonic adj acid)) and (onium sulfonium iodonium sulfonate nonionic non-ionic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/07 15:19
S21	0	((((resist photoresist) and (\$5acid near generator) and (sulfonic adj acid)) and (onium sulfonium iodonium sulfonate nonionic non-ionic)) and (430/270.1.ccls)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/07 15:19
S22	559	((((resist photoresist) and (\$5acid near generator) and (sulfonic adj acid)) and (onium sulfonium iodonium sulfonate nonionic non-ionic)) and (430/270.1.ccls.)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2003/08/07 15:19

S23	374	(((resist photoresist) and (\$acid near generator) and (sulfonic adj acid)) and (onium sulfonium iodonium sulfonate nonionic non-ionic)) and (430/270.1.ccls.)	USPAT	OR	ON	2003/08/07 15:56
S24	0	wo-9410608-\$.did.	USPAT	OR	ON	2003/08/07 17:27
S25	59	n-sulfonyloxyimide	USPAT	OR	ON	2004/04/07 15:23
S26	28	n-sulfonyloxyimide and (((resist photoresist) and (\$acid near generator) and (sulfonic adj acid)) and (onium sulfonium iodonium sulfonate nonionic non-ionic)) and (430/270.1.ccls.))	USPAT	OR	ON	2003/08/07 15:57
S27	0	wo-940010608-\$.did.	USPAT	OR	ON	2003/08/07 17:27
S28	0	wo-94010608-\$.did.	USPAT	OR	ON	2003/08/07 17:28
S29	4	((("5296332") or ("6280911")).PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2003/08/07 18:11
S30	1000901	positive	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/07 15:18
S31	440581	photoresist resist	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/07 15:18
S32	5686	(photoacid acid) adj labile	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/07 15:18
S33	4875	(photoacid acid) adj generator	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/07 15:19
S34	153470	sulfonic adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/07 15:19
S35	432	positive AND (photoresist resist) AND ((photoacid acid) adj labile) AND ((photoacid acid) adj generator) AND (sulfonic adj acid)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/07 15:19
S36	67	n-sulfonyloxyimide	USPAT	OR	ON	2004/04/07 15:24
S37	32	(positive AND (photoresist resist) AND ((photoacid acid) adj labile) AND ((photoacid acid) adj generator) AND (sulfonic adj acid)) and n-sulfonyloxyimide	USPAT	OR	ON	2004/04/07 15:24
S38	107	n-sulfonyloxyimide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/08 12:42
S39	2	difluoroalkylsulfonic (difluoroalkyl adj sulfonic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/07 15:33
S40	6	difluoro\$5ylsulfonic (difluoro\$5yl adj sulfonic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 14:04
S41	1	(positive AND (photoresist resist) AND ((photoacid acid) adj labile) AND ((photoacid acid) adj generator) AND (sulfonic adj acid)) and ((difluoroalkylsulfonic (difluoroalkyl adj sulfonic) ) (difluoro\$5ylsulfonic (difluoro\$5yl adj sulfonic) ) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/07 15:33

S42	6	(difluoroalkylsulfonic (difluoroalkyl adj sulfonic) ) (difluoro\$5ylsulfonic (difluoro\$5yl adj sulfonic) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/07 15:36
S43	52	(positive AND (photoresist resist) AND ((photoacid acid) adj labile) AND ((photoacid acid) adj generator) AND (sulfonic adj acid)) and n-sulfonyloxyimide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/08 12:20
S44	2	("6136501").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2004/04/08 10:03
S45	4	wo-9410608-\$.did. ep-708368-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/08 12:21
S46	107	n-sulfonyloxyimide	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/08 12:42
S47	32	(CAMERON-JAMES CAMERON-JAMES-F CAMERON-JAMES-FIELD (zydowsky-thomas.in.) (zydowsky-t.in.) (zydowsky-thomas-m.in.)) and ((\$ACID NEAR GENERAT\$4) )	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/08 12:42
S48	37	FLUOR\$8 NEAR (ALKANESULFONIC ADJ ACID)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/08 12:46
S49	2	("5442023"   "5773191").PN.	USPAT	OR	ON	2004/04/08 12:50
S50	5	"6358665".URPN.	USPAT	OR	ON	2004/04/08 12:52
S51	5	"6358665".URPN.	USPAT	OR	ON	2004/04/08 12:59
S52	2	ep-1199603-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/08 15:07
S53	0	"1199603".URPN.	USPAT	OR	ON	2004/04/08 15:06
S54	5	ep-1033624-\$.did. ep-693468-\$.did. dd-295421-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/08 15:08
S55	7	ep-1033624-\$.did. ep-693468-\$.did. dd-295421-\$.did. ep-1041442-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/08 17:09
S56	2	ep-1199603-\$.did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/04/08 17:09
S57	2	("5442023"   "5773191").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2004/09/24 13:36
S58	6	("6358665").URPN.	USPAT	OR	ON	2004/09/24 13:51
S59	2	("20020102491").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/09/24 13:51
S60	0	("2002/0102491").URPN.	USPAT	OR	ON	2004/09/24 14:03
S61	6	difluoro\$5ylsulfonic (difluoro\$5yl adj sulfonic)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 14:04

S62	25	(FLUOR\$8 NEAR (ALKANESULFONIC ADJ ACID)) AND (BINDER RESIN RESIST PHOTORESIST)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 14:04
S63	2	\$difluoro\$8yl adj sulfonic adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 14:04
S64	2	\$difluoro\$8yl adj sulfonic adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 14:05
S65	5	\$difluoro\$8ylsulfonic adj acid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 14:05
S66	29	(US-20010044072-\$ or US-20020009663-\$ or US-20020051932-\$ or US-20030013049-\$ or US-20030027061-\$ or US-20030027077-\$ or US-20030044716-\$ or US-20030134227-\$ or US-20030215748-\$).did. or (US-5296332-\$ or US-5322765-\$ or US-5716756-\$ or US-5770345-\$ or US-6048672-\$ or US-6136504-\$ or US-6200728-\$ or US-6203965-\$ or US-6280911-\$ or US-6358665-\$ or US-6582880-\$).did. or (EP-1033624-\$ or EP-1199603-\$ or EP-1308781-\$ or EP-693468-\$ or WO-2077710-\$).did. or (JP-10176173-\$).did. or (DD-295421-\$ or EP-693468-\$ or US-6358665-\$).did.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 14:05
S67	31	S61 S62 S63 S64 S65	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 14:29
S68	27	S67 not S66	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2004/09/24 14:30
S69	5	((("64749987") or ("6749987") or ("2002102491")),PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2004/09/24 14:32

=> screen 2076

L1 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10007855-2.str

L2 STRUCTURE UPLOADED

=> que L2 AND L1

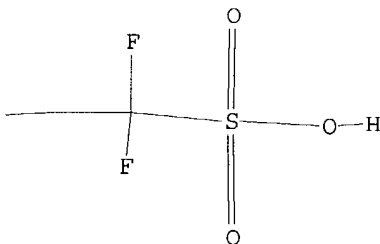
L3 QUE L2 AND L1

=> d

L3 HAS NO ANSWERS

L1 SCR 2076

L2 STR



Structure attributes must be viewed using STN Express query preparation.

L3 QUE ABB=ON PLU=ON L2 AND L1

=> s l3 sss sam

SAMPLE SEARCH INITIATED 14:11:58 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 98 TO ITERATE

100.0% PROCESSED 98 ITERATIONS

50 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*  
BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 1367 TO 2553

PROJECTED ANSWERS: 817 TO 1783

L4 50 SEA SSS SAM L2 AND L1

=> d

L4 ANSWER 1 OF 50 REGISTRY COPYRIGHT 2004 ACS on STN

RN 741695-29-4 REGISTRY

CN Thiophenium, 1-(1,1-difluoro-2-oxo-2-phenylethyl)tetrahydro-, salt with  
1,1,2,2,3,3,4,4,4-nonafluoro-1-butanefluorobutanesulfonic acid (1:1) (9CI) (CA INDEX  
NAME)

MF C12 H13 F2 O S . C4 F9 O3 S

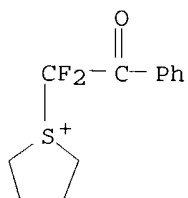
SR CA

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Patent

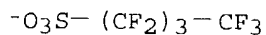
RL.P Roles from patents: USES (Uses)

CRN 741695-28-3  
CMF C12 H13 F2 O S



CM 2

CRN 45187-15-3  
CMF C4 F9 O3 S



1 REFERENCES IN FILE CA (1907 TO DATE)  
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> ....Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

=> screen 2040 AND 2076

L5 SCREEN CREATED

=>

Uploading C:\Program Files\Stnexp\Queries\10007855-1.str

L6 STRUCTURE UPLOADED

=> que L6 AND L5

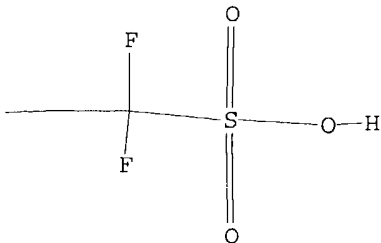
L7 QUE L6 AND L5

=> d

L7 HAS NO ANSWERS

L5 SCR 2040 AND 2076

L6 STR



Structure attributes must be viewed using STN Express query preparation.



L7                    QUE   ABB=ON   PLU=ON   L6 AND L5

=> s l7 sss sam  
SAMPLE SEARCH INITIATED 14:12:33 FILE 'REGISTRY'  
SAMPLE SCREEN SEARCH COMPLETED -        54 TO ITERATE

100.0% PROCESSED            54 ITERATIONS                    44 ANSWERS  
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   \*\*COMPLETE\*\*  
                             BATCH   \*\*COMPLETE\*\*  
PROJECTED ITERATIONS:            640 TO        1520  
PROJECTED ANSWERS:               483 TO        1277

L8                    44 SEA SSS SAM L6 AND L5

=> d his

(FILE 'HOME' ENTERED AT 14:11:12 ON 24 SEP 2004)

FILE 'REGISTRY' ENTERED AT 14:11:37 ON 24 SEP 2004

L1                    SCREEN 2076  
L2                    STRUCTURE UPLOADED  
L3                    QUE L2 AND L1  
L4                    50 S L3 SSS SAM  
L5                    SCREEN 2040 AND 2076  
L6                    STRUCTURE UPLOADED  
L7                    QUE L6 AND L5  
L8                    44 S L7 SSS SAM

=> s l4 or l8  
L9                    54 L4 OR L8

=> FIL HCAPLUS, CAPLUS, USPATFULL		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	3.03	3.24

FILE 'HCAPLUS' ENTERED AT 14:13:17 ON 24 SEP 2004  
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FILE 'USPATFULL' ENTERED AT 14:13:17 ON 24 SEP 2004  
CA INDEXING COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l8  
L10                   227 L8

=> s photoresist or resist or resin  
L11                   2188516 PHOTORESIST OR RESIST OR RESIN

=> s (photoacid or acid)  
L12                   9449219 (PHOTOACID OR ACID)

=> s l10 and l11 and l12  
L13                   194 L10 AND L11 AND L12

=> duplicates remove l13  
DUPLICATE PREFERENCE IS 'HCAPLUS, CAPLUS, USPATFULL'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L13  
L14 103 DUPLICATE REMOVE L13 (91 DUPLICATES REMOVED)

=> s l14 and positive  
L15 79 L14 AND POSITIVE

=> duplicates remove l15  
DUPLICATE PREFERENCE IS 'HCAPLUS, USPATFULL'  
KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n  
PROCESSING COMPLETED FOR L15  
L16 79 DUPLICATE REMOVE L15 (0 DUPLICATES REMOVED)

=> d l16 1-79 pn

	ANSWER 1 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
	PATENT NO.	KIND	DATE
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PI	US 2004063827	A1	20040401
	JP 2004145298	A2	20040520

	ANSWER 2 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
	PATENT NO.	KIND	DATE
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PI	JP 2004210670	A2	20040729

*npa*

	ANSWER 3 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
	PATENT NO.	KIND	DATE
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PI	JP 2004151364	A2	20040527

	ANSWER 4 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
	PATENT NO.	KIND	DATE
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PI	JP 2004151355	A2	20040527

	ANSWER 5 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
	PATENT NO.	KIND	DATE
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PI	JP 2004126013	A2	20040422

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PI	JP 2004101645	A2	20040402

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	PATENT NO.	KIND	DATE
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PI	JP 2004070147	A2	20040304
	US 2004043323	A1	20040304

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	PATENT NO.	KIND	DATE
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PI	US 2004072097	A1	20040415

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PI	US 2004043323	A1	20040304

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PI	US 6723483	B1	20040420

L16	ANSWER 11 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
L16	ANSWER 12 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2003307839	A2	20031031
L16	ANSWER 13 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2003140344	A2	20030514
L16	ANSWER 14 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2003107709	A2	20030409
L16	ANSWER 15 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
	PATENT NO.	KIND	DATE
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PI	JP 2003076023	A2	20030314
L16	ANSWER 16 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2003076022	A2	20030314
L16	ANSWER 17 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2003043690	A2	20030213
	TW 574626	B	20040201
L16	ANSWER 18 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2003005374	A2	20030108
L16	ANSWER 19 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	EP 1319981	A2	20030618
	EP 1319981	A3	20030723
	US 2003194650	A1	20031016
	JP 2003241386	A2	20030827
L16	ANSWER 20 OF 79	USPATFULL	on STN
PI	US 2003198894	A1	20031023
L16	ANSWER 21 OF 79	USPATFULL	on STN
PI	US 2003194650	A1	20031016
L16	ANSWER 22 OF 79	USPATFULL	on STN
PI	US 2003165772	A1	20030904
L16	ANSWER 23 OF 79	USPATFULL	on STN
PI	US 2003139503	A1	20030724
L16	ANSWER 24 OF 79	USPATFULL	on STN
PI	US 2003077543	A1	20030424
L16	ANSWER 25 OF 79	USPATFULL	on STN

PI	US 2003077540	A1	20030424
L16	ANSWER 26 OF 79	USPATFULL	on STN
PI	US 2003017415	A1	20030123
L16	ANSWER 27 OF 79	USPATFULL	on STN
PI	US 6589705	B1	20030708
L16	ANSWER 28 OF 79	USPATFULL	on STN
PI	US 6576392	B1	20030610
L16	ANSWER 29 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2002341540	A2	20021127
L16	ANSWER 30 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2002303984	A2	20021018
L16	ANSWER 31 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2002296782	A2	20021009
L16	ANSWER 32 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2002255930	A2	20020911
L16	ANSWER 33 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2002251013	A2	20020906
	US 2003017415	A1	20030123
	TW 548523	B	20030821
L16	ANSWER 34 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2002236359	A2	20020823
	TW 571178	B	20040111
L16	ANSWER 35 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2002202607	A2	20020719
L16	ANSWER 36 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2002174903	A2	20020621
L16	ANSWER 37 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2002131917	A2	20020509
	TW 548521	B	20030821
L16	ANSWER 38 OF 79	HCAPLUS	COPYRIGHT 2004 ACS on STN
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PI	JP 2002049154	A2	20020215
L16	ANSWER 39 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	JP 2002023376	A2	20020123
L16	ANSWER 40 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	EP 1267210 EP 1267210 US 2003077543 JP 2003177538	A2 A3 A1 A2	20021218 20031008 20030424 20030627
L16	ANSWER 41 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	EP 1260864 EP 1260864 JP 2002351077 JP 2002351079 JP 2002351063 US 2003077540	A1 B1 A2 A2 A2 A1	20021127 20040818 20021204 20021204 20021204 20030424
<i>*</i> L16	ANSWER 42 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	EP 1199603 JP 2002131897 JP 2002214774 US 2002102491 US 6749987 TW 536663	A1 A2 A2 A1 B2 B	20020424 20020509 20020731 20020801 20040615 20030611
<i>*</i> L16	ANSWER 43 OF 79 PI US 2002102491 US 6749987	USPATFULL on STN A1 B2	20020801 20040615
L16	ANSWER 44 OF 79 PI US 2002098440 US 6544715	USPATFULL on STN A1 B2	20020725 20030408
L16	ANSWER 45 OF 79 PI US 2002028409 US 6696219	USPATFULL on STN A1 B2	20020307 20040224
L16	ANSWER 46 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	JP 2001356484 US 2002028409 US 6696219	A2 A1 B2	20011226 20020307 20040224
L16	ANSWER 47 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	JP 2001318465	A2	20011116
L16	ANSWER 48 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	JP 2001290273	A2	20011019

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L16	ANSWER 49 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
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PI	JP 2001272784	A2	20011005
L16	ANSWER 50 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
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PI	JP 2001235869	A2	20010831
L16	ANSWER 51 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
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PI	JP 2001235868	A2	20010831
L16	ANSWER 52 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
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PI	JP 2001235865	A2	20010831
	TW 513621	B	20021211
	US 2001041303	A1	20011115
	US 6528229	B2	20030304
L16	ANSWER 53 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
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PI	JP 2001222112	A2	20010817
L16	ANSWER 54 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
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PI	JP 2001222111	A2	20010817
L16	ANSWER 55 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
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PI	JP 2001215706	A2	20010810
L16	ANSWER 56 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
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PI	JP 2001215705	A2	20010810
L16	ANSWER 57 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
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PI	JP 2001194789	A2	20010719
L16	ANSWER 58 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
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PI	JP 2001194788	A2	20010719
L16	ANSWER 59 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
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PI	JP 2001159822	A2	20010612
L16	ANSWER 60 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
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PI	JP 2001159812	A2	20010612

US 6506535 B1 20030114

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PI JP 2001147536 A2 20010529  
US 6506535 B1 20030114

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PATENT NO. KIND DATE  
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PI JP 2001051421 A2 20010223

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PI JP 2001022072 A2 20010126  
US 6596458 B1 20030722  
TW 546548 B 20030811

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PI JP 2001022071 A2 20010126  
US 6596458 B1 20030722  
TW 546548 B 20030811

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PATENT NO. KIND DATE  
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PI JP 2001022070 A2 20010126  
US 6596458 B1 20030722  
TW 546548 B 20030811

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PATENT NO. KIND DATE  
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PI JP 2001013686 A2 20010119  
US 6596458 B1 20030722  
TW 546548 B 20030811

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PI EP 1096319 A1 20010502  
JP 2001194794 A2 20010719  
JP 2001201857 A2 20010727  
TW 565746 B 20031211  
US 6589705 B1 20030708

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PI US 2001041303 A1 20011115  
US 6528229 B2 20030304

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PI JP 2000347409 A2 20001215  
US 6479211 B1 20021112

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PI	JP 2000231194	A2	20000822
	US 6576392	B1	20030610
L16	ANSWER 71 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	JP 2000227659	A2	20000815
	US 6576392	B1	20030610
L16	ANSWER 72 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	JP 2000214588	A2	20000804
	US 2002098440	A1	20020725
	US 6544715	B2	20030408
L16	ANSWER 73 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	JP 2000194135	A2	20000714
L16	ANSWER 74 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	JP 2000187327	A2	20000704
L16	ANSWER 75 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	JP 2000181054	A2	20000630
	JP 3476374	B2	20031210
L16	ANSWER 76 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	JP 2000147776	A2	20000526
	US 2002081518	A1	20020627
	US 6420082	B1	20020716
L16	ANSWER 77 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	JP 2000147775	A2	20000526
L16	ANSWER 78 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	JP 2000047387	A2	20000218
L16	ANSWER 79 OF 79 PATENT NO.	HCAPLUS KIND	COPYRIGHT 2004 ACS on STN DATE
PI	JP 10330353	A2	19981215